The Strategic Weapons Spiral: Soviet Reactions to US Initiatives?

National Intelligence Council Memorandum

Top Secret

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	The Strategic Weapons Spiral:		
	Soviet Reactions to US Initiatives	?	
reface formation available s of 15 August 1983 as used in the preparation f this Memorandum.		USSR has on no occasion initiated the s, and [has] produced them only as a United States.	
· · · · · · · · · · · · · · · · · · ·	—How To Avert the		
	Threat to Europe Moscow 1983	·	
	The Soviets have long characterized	their strategic nuclear programs as	
	reactions to the US initiatives that h	ave fueled the arms race, and as	
	superiority over the USSR	tes from achieving its goal of strategic	25X
	The relationship of US and Soviet s	trategic developments is complex. At	
	the level of grand strategy, there is a	clearly an action-reaction pattern. Id military planning have been mainly	
		ctives. The Soviets' strategy and their	
		large part intended to break out from	
		n encirclement. At the level of military s of either side are obviously reactions	
	to the other's perceived offensive can		25X
	In their strategic programs, the two		•
		d by World War II experience, began ers, and for a number of reasons, not	
		at, developed a roughly balanced triad	
		their continental land warfare orienta-	
	tion, have given primary emphasis to long-range plans for both sides' strate	egic forces, in numbers and character-	
	istics, were set down in the late 1950	s and early 1960s. After surging ahead	
	ŕ	ered in the 1970s. The Soviets adhered ization, unaffected by US unilateral	
	restraint and only modestly restrain	,	25X
	Recently, in their efforts to slow or		
		s have stepped up their rhetoric in the as about US initiatives as the cause of	
	the arms race. They have become m		
	capabilities to match the United Sta		
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	become more threatening in asserting their intentions to do so; they are also asserting that they can now compete as an equal in weapons technology. Their propaganda campaign, carrying a simple, easily under-
	stood message, has had some effect in furthering their cause.
	It is difficult to refute the Soviets' claims about the nature of the arms competition in a public forum since information on their weapons plans and programs—which are conceived, decided upon, and developed in total secrecy—is also considered classified in this country. Because US programs often reach public awareness early in their development (years before comparable Soviet programs), major US weapons appear to predate similar Soviet systems, giving support to Soviet assertions of having to react to US initiatives. Analysis of intelligence on Soviet strategic programs conveys a situation quite different from Soviet claims. The lack of awareness of the falsity of these Soviet claims is a major competitive advantage for the Soviets in their efforts to restrain US weapons programs.
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The Strategic Weapons Spiral: Soviet Reactions to US Initiatives:	
Proposals for new weapons programs in the United States invariably draw heated propaganda from the Soviet Union as being the start of another round of the "arms race," to which they must reluctantly respond. This message, which is echoed in the West, uses new weapons programs as a metaphor for the "arms race." This formulation works to the advantage of the Soviets since the initiation of their programs is shrouded in secrecy, and it disregards other indicators of the Soviets' military effort—budgets, numbers, weapon procurement rate, and level of research and development. With the implementation of the present US strategic force modernization program, Soviet propagandists have trumpeted new warnings about US stimulation of a new action-reaction cycle of the arms race. A new twist has been added to their rhetoric: they are buttressing their claims of US action—Soviet reaction by ticking off specific Soviet weapons, such as the SS-X-24, the Typhoon, and the cruise missile that were developed supposedly in response to specific US weapons. They are also threatening that they will continue to copy our weapons. According to Defense Minister Ustinov, "The economy, science, and technology of the Soviet Union have attained such a level that they can guarantee the creation of any kind of weapon that our enemies wish to gamble on."	the United States in weapons technologies and Soviet programs to acquire weapons like those the United States has proposed or developed. It also addresses those initiatives by the Soviets that do not appear in their propaganda about arms race and action-reaction cycles—that is, a host of other programs for strategic offensive weapons that have no US counterparts. The Memorandum does not address the many factors other than US weapons developments that figure in Soviet force planning—economic and political factors, or military factors such as force restructuring and command, control, and communications improvements. Nor does it assess the adjustments in defenses resulting from the appearance of new offensive weapons, and the cycle of countermeasures and countercountermeasures in both sides' weapons design. Competition in Weapons Technology The United States is generally recognized as being in the forefront in research of many weapons technologies. In some important cases, however, (for example, ICBMs, H-bomb, Sputnik, liquid-propellant SLBMs) the Soviets have successfully taken technology paths independent from those of the United States. In many areas, however, the Soviets pursue efforts similar to those in the United States. Their pursuits, aided by a well-organized, centrally directed, overt and covert technology acquisition program, have not been reluctant reactions to US initiatives, as the Soviets would
bit further. He has stated that, unlike in the past, Soviet programs will not lag behind those of the United States by five to seven years; instead they will	have us believe. Rather, the Soviets' access to the results of successful technological developments by the United States has eased their technology choices and shortened their weapon development times.
The purpose of this Memorandum is to evaluate the Soviets' claims that they are reacting to US initiatives based on what we know from intelligence sources about their strategic offensive weapons in development and testing. It addresses Soviet competition with	The Soviet military R&D organizations are aware of most US weapons programs and technologies at a very early stage in development, and they are imbued
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		25
with a strong sense of technical competition in devel-		25
oping comparable systems. This competition is sup-		
ported by a political leadership committed to a doc- trine which has espoused the necessity for Soviet		
"military-technical superiority" over the West. In a	With their access to many details of US weapons, and	
speech not long before his death, Brezhnev said,	a relative lack of competition within the Soviet R&D	
"Competition in military technology has sharply in-	community, Soviet designers are, in effect, competing	
tensified, often acquiring a fundamentally new char-	with US weapons designers. US system characteris-	
acter. A lag in this competition is inadmissible."	tics are used as a yardstick against which Soviet	25X1
	technical capabilities are judged and presumably, decisions made.	25/1
The Soviets require that every major civilian or	SOURCE Made	2.0
military project be measured against the best foreign		
technology before it is approved to proceed. Once a	Development of Comparable Weapons Systems	
project is in development, government standards require the continued comparison of the characteristics	Intelligence on development of Soviet systems that are	
of hardware, at different design stages, with similar	counterparts to those of the United States conveys a	
Western hardware.	different impression than the Soviets' claim that they	25
petition with the United States is a primary aspect in	are simply reacting to US initiatives. Using their	
the development of Soviet missile technologies:	responsive, centrally planned R&D establishment and	
• A "priority factor" in the development of Soviet	with virtually unrestricted access to many details of our future weapons, the Soviets apparently program	
missiles is competition with US missiles, in terms of	some counterpart weapons systems to be developed	
their characteristics.	and appear at about the time our systems appear.	
Fort of C. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Such systems might have been developed without the	
• Each generation of missiles has to "keep pace" with foreign technology achievements.	stimulus of a US program, as the Soviets exploit the	
foreign teenhology achievements.	latest technology to improve their weapons. They also claim as responses similar Soviet systems that were	
• By the beginning of the 1960s, Soviet missile de-	already under way when US programs were autho-	
signers were assigned the "most important national	rized. The result of this process is a Soviet "counter-	
task" of developing missiles superior to US missiles	part" to every major strategic weapons system the	0.5
in terms of their basic characteristics.	United States has in a publicized development or deployment program, with the probable exception of	25
	the Stealth bomber	25
		20
	Table 1 compares US systems now in development	
	with "counterpart" Soviet systems.	25.
	¹ It is often not possible to infer from comparing the developmental	
	history of US and Soviet weapons whether a US program was responsible for the start of any particular Soviet program	
Defense Minister Ustinov has claimed publicly		25
that their new ICBM, the SS-X-24, will not be inferior "in any way" to the MX. Despite such claims,	when Soviet programs were initiated	25 25
the Soviets almost certainly do not realistically expect	However, this method allows a reason-	25 25
to match the United States in weapons technologies	able estimate of when a development program was initiated because	20
across the board.	of the orderliness and bureaucratic rigidity in the Soviet weapon acquisition process.	25
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ıble 1 oviet Systems Under De	evalonment		
ith US Counterparts	retopment		
•			
S System	IOC a Advantage	Soviet	Estimated Coviet
System	IOC a Advantage	"Counterpart"	Estimated Soviet Start Date b
X	Soviet	SS-X-24 °	
rshing II	US		
ident C-4/Ohio	US	SS-NX-20/Typhoon c	
ident D-5	Soviet	SS-NX-20 Follow-on c	
LCM '	US	AS-X-15 °	
LCM	US	SSC-X-4 °	
LCM	Soviet	SS-NX-21 °	
-1	US	Blackjack A c	
tealth bomber	US	N D 1 12 22 2	
odified B-52 for ALCM	US	New Bear variant for ALCM	
long-range cruise missi ment after comparable this basis the Soviet we	BM, Blackjack bomber, and ile probably began develop- US programs. Although on eapons can be categorized as know how long the Soviet	yet clear. In March of t Committee member Za	ds to the Pershing II is not his year, Soviet Central gladin stated that if the P-II would have to deploy an
	nsideration prior to program	equivalent missile. A m	
	reason for their initiation.	MIRVed SS-20 IRBM	
They are weapons syst	ems that the Soviet military		was tested
	g on the basis of their require-		to the Zagladin statement,
	e status of US programs for	but not since. This syste	
	ney have followed a normal		ne only "new" intermediate-
	ustification for the systems		flight-testing, is apparently
	because the United States		ly high-priority preflight
was developing like sys	Stems.		Development probably began a 1979 NATO decision on
The SS-X-24 and the	SS-NX-20 follow-on missiles		we are not confident about
	es to US program initiatives.		ne point, the developers were
	os to CS program minativos.		e missile on an around-the-
	re decided upon, began their		
ucyclophicht. And win	re decided upon, began their be deployed prior to the US	clock basis. The appare	iii objective was to dutekiv
	re decided upon, began their be deployed prior to the US to which the Soviets claim	clock basis. The appare reach flight-testing, so	that it could be available to
MX and D-5 missiles	be deployed prior to the US	reach flight-testing, so	
MX and D-5 missiles	be deployed prior to the US to which the Soviets claim	reach flight-testing, so	that it could be available to
MX and D-5 missiles	be deployed prior to the US to which the Soviets claim	reach flight-testing, so	that it could be available to
MX and D-5 missiles	be deployed prior to the US to which the Soviets claim	reach flight-testing, so	that it could be available to
MX and D-5 missiles	be deployed prior to the US to which the Soviets claim e concept of both US missiles	reach flight-testing, so	that it could be available to possible Soviet claim that
MX and D-5 missiles	be deployed prior to the US to which the Soviets claim e concept of both US missiles	reach flight-testing, so	that it could be available to possible Soviet claim that

they have developed a missile in response to P.II. There are disagreements within the Intelligence Community, however, about this interpretation of development program. In the USSR, the very existence of programs to development systems, let alone their technical and operational details, are state secrets. Secrety allows them the advantage of being able to control when adhow to play the US actions—Soviet reaction story that best fits their political needs. For example, the Soviets have had programs under way since the early 1970s to develop long-range land-attack curies missiles. The fact of their existence was not made public until late 1982, when they were well into light-testing. By delaying the announcement until then, the Soviets have had programs under way since the early 1970s to develop long-range land-attack curies missiles. The fact of their existence was not made public until late 1982, when they were well into light-testing. By delaying the announcement until then, the Soviets are paranoid about US potential for the cruise missiles until and unless their deployment of the cruise missiles until and unless their deployment plans can be played for maximum political advantage in the Linited States has. They will similarly control information concerning deployment of the cruise missiles until and unless their deployment plans can be played for maximum political advantage in the Linited States has. They will similarly control information concerning deployment plans can be played for maximum political advantage in the cruise missiles until and unless their deployment plans can be played for maximum political advantage in the Linited States has a They will similarly control information concerning deployment plans can be played for maximum political advantage in the cruise missiles until and unless their deployment plans can be played for maximum political advantage in the cruise missiles until and unless their deployment plans can be played for maximum political advantage in the can be accused to the cruise	Top Secret Approved For Release 2008/04/0	08 : CIA-RDP86T00303R000400490002-5	
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develop long-range land-attack cruise missiles. The fact of their existence was not made public until late 1982, when they were well into flight-testing. By delaying the announcement until then, the Soviets were able to sharpen their "reaction" (claim and also give the impression of being a technological "sleeping bear" that, when aroused, can quickly develop any system the United States has. They will similarly control information concerning deployment of the cruise missiles until and unless their deployment plans can be played for maximum political advantage in the INF arena. Also, if it serves the Soviets' political ends, systems that are not necessarily equal in capability to US systems will be played as if they are. Curiously, the Soviets do not normally publicize the existence of their counterpart systems—and hence potential bargaining chips—until both nations' systems are in the full-scale development phase. This could reflect the normal secrecy the Soviets attach to their programs. It could also reflect a reluctance by the Soviet military to offer to give up a new system, even if it could lead to halting an important US program has noted that, once started, Soviet programs are hard to stop because people develop vested interests in them Soviet Rationale for Developing Some Similar Weapons The Soviets' primary reason for developing strategic weapons systems is to meet the military requirements of their strategy for nuclear conflict, which of course Top Secret 4 the United States. Their leaders have historically had a technological inferiority complex. To bedge against a US technological breakthrough. The Soviets are paranoid about US potential for technological treakthrough and probably routinely work on anything the United States is interested in. Soviets on which propers are sead by knowledge of US technology and the technical requirements the United States is working to fulfill. They can save time, more, and uncertainty by having to United States is working to fulfill. They can save time, more,	them the advantage of being able to control when and how to play the US action-Soviet reaction story that	easier to get authorized than those for weapons of	
The Soviets are paranoid about US potential for give the impression of being a technological "sleeping bear" that, when aroused, can quickly develop any system the United States has. They will similarly control information concerning deployment of the cruise missiles until and unless their deployment plans can be played for maximum political advantage in the INF arena. Also, if it serves the Soviets' political ends, systems that are not necessarily equal in capability to US systems will be played as if they are. Curiously, the Soviets do not normally publicize the existence of their counterpart systems—and hence potential bargaining chips—until both nations' systems are in the full-scale development phase. This could reflect the normal secrecy the Soviets attach to their programs. It could also reflect a reluctance by the Soviet military to offer to give up a new system, even if it could lead to halting an important US program has noted that, once started, Soviet programs are hard to stop because people develop vested interests in them. Soviet Rationale for Developing Some Similar Weapons The Soviets' primary reason for developing strategic weapons systems is to meet the military requirements of their strategy for nuclear conflict, which of course Top Secret The Soviets are paranoid about US potential for technological breakthrough and probably routinely work on anything the United States is interested in. To take advantage of US technical progress. Developmental problems are eased by knowledge of US technology and the technical requirements the United States is working to fulfill. They can save time, money, and uncertainty by having the United States is morking to fulfill. They can save time, money, and uncertainty by having the United States is morking to fulfill. They can save time, money, and uncertainty by having the United States is morking to fulfill. They can save time, money, and uncertainty by having the United States is morking to fulfill. They can save time, money, and uncertainty by having th	develop long-range land-attack cruise missiles. The fact of their existence was not made public until late	equal of the United States. Their leaders have	
cruise missiles until and unless their deployment plans can be played for maximum political advantage in the INF arena. Also, if it serves the Soviets' political ends, systems that are not necessarily equal in capability to US systems will be played as if they are. Curiously, the Soviets do not normally publicize the existence of their counterpart systems—and hence potential bargaining chips—until both nations' systems are in the full-scale development phase. This could reflect the normal secrecy the Soviets attach to their programs. It could also reflect a reluctance by the Soviet military to offer to give up a new system, even if it could lead to halting an important US program. has noted that, once started, Soviet programs are hard to stop because people develop vested interests in them Soviet Rationale for Developing Some Similar Weapons The Soviets' primary reason for developing strategic weapons systems is to meet the military requirements of their strategy for nuclear conflict, which of course opmental problems are eased by knowledge of US technology and the technical requirements the United States is working to fulfill. They can save time, money, and uncertainty by having the United States make the appropriate design and technology can the nobtain information or hardware through technology transfer. Also, it is easier for the Soviets to measure qualitative progress against a similar system. The inherent potential of such systems for use as arms control bargaining chips. The inherent potential of such systems for use as arms control bargaining chips. The inherent potential of such systems for use as arms control bargaining chips. The inherent potential of such systems for use as arms control bargaining chips. The inherent potential of such systems for use as arms control bargaining chips. The entire Soviet propaganda. The United States can be accused—using selective examples—as being the initiator of the arms race. The entire Soviet formulation of action-reaction conveniently disregards a sali	were able to sharpen their "reaction" claim and also give the impression of being a technological "sleeping bear" that, when aroused, can quickly develop any system the United States has. They will similarly	The Soviets are paranoid about US potential for technological breakthrough and probably routinely work on anything the United States is interested in.	
Curiously, the Soviets do not normally publicize the existence of their counterpart systems—and hence potential bargaining chips—until both nations' systems are in the full-scale development phase. This could reflect the normal secrecy the Soviets attach to their programs. It could also reflect a reluctance by the Soviet military to offer to give up a new system, even if it could lead to halting an important US program has noted that, once started, Soviet programs are hard to stop because people develop vested interests in them Soviet Rationale for Developing Some Similar Weapons Curiously, the Soviets do not normally publicize the existence of their counterpart systems—and hence potential bargaining chips—until both nations' systems are in the full-scale development phase. This could reflect the normal secrecy the Soviets attach to their programs. It could also reflect a reluctance by the Soviet military to offer to give up a new system, even if it could lead to halting an important US program are hard to stop because people develop vested interests in them Soviet Systems With No US Counterparts The entire Soviet formulation of action-reaction conveniently disregards a salient aspect of their weapons procurement policy—they simply develop far more weapons than we do. This was particularly evident in the 1970s and continues today. In addition to the Top Secret 4	cruise missiles until and unless their deployment plans can be played for maximum political advantage in the INF arena. Also, if it serves the Soviets' political ends, systems that are not necessarily equal in capa-	opmental problems are eased by knowledge of US technology and the technical requirements the United States is working to fulfill. They can save time, money, and uncertainty by having the United	0574
potential bargaining chips—until both nations' systems are in the full-scale development phase. This could reflect the normal secrecy the Soviets attach to their programs. It could also reflect a reluctance by the Soviet military to offer to give up a new system, even if it could lead to halting an important US program has noted that, once started, Soviet programs are hard to stop because people develop vested interests in them Soviet Rationale for Developing Some Similar Weapons The inherent potential of such systems for use as arms control bargaining chips. To support Soviet propaganda. The United States can be accused—using selective examples—as being the initiator of the arms race. Soviet Systems With No US Counterparts The entire Soviet formulation of action-reaction conveniently disregards a salient aspect of their weapons procurement policy—they simply develop far more weapons than we do. This was particularly evident in the 1970s and continues today. In addition to the Top Secret 4	Curiously, the Soviets do not normally publicize the	choices, especially if they can then obtain informa- tion or hardware through technology transfer. Also, it is easier for the Soviets to measure qualitative	
can be accused—using selective examples—as being the initiator of the arms race. 25X1 can be accused—using selective examples—as being the initiator of the arms race. 25X1 Soviet Systems With No US Counterparts 25X1 The entire Soviet formulation of action-reaction conveniently disregards a salient aspect of their weapons procurement policy—they simply develop far more weapons than we do. This was particularly evident in the 1970s and continues today. In addition to the Top Secret 4	potential bargaining chips—until both nations' systems are in the full-scale development phase. This could reflect the normal secrecy the Soviets attach to	• The inherent potential of such systems for use as	1 :
Soviet Systems With No US Counterparts 25X1 The entire Soviet formulation of action-reaction conveniently disregards a salient aspect of their weapons procurement policy—they simply develop far more weapons than we do. This was particularly evident in the 1970s and continues today. In addition to the Top Secret 4	even if it could lead to halting an important US program has noted that, once started, Soviet programs are hard	can be accused—using selective examples—as being	25X1
Soviet Rationale for Developing Some Similar Weapons Veniently disregards a salient aspect of their weapons procurement policy—they simply develop far more weapons than we do. This was particularly evident in the 1970s and continues today. In addition to the Top Secret 4		Soviet Systems With No US Counterparts	25X1
The Soviets' primary reason for developing strategic the 1970s and continues today. In addition to the weapons systems is to meet the military requirements of their strategy for nuclear conflict, which of course Top Secret 4		veniently disregards a salient aspect of their weapons procurement policy—they simply develop far more	
· ·	weapons systems is to meet the military requirements		
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Table 2
Soviet Systems Under Development
With No US Counterparts

System	Estimated Start Date	Estimated Availability for First Flight-Test
SS-X-25 ICBM		February 1983
Improved SS-18 ICBM		1983?
Improved SS-19 ICBM		1983?
Improved small solid ICBM		1983?
Small solid		1984-86
Improved SS-20		1984
SS-18 class		1987
Large GLCM		December 1981
Large SLCM	1	Fall 1983
SLBM		June 1983
		1987
Improved SS-NX-20 with MaRV		1987-90

systems listed in table 1, the Soviets have at least 10 other new or modernized missiles in development for initial testing in the 1980s, which they do not talk about. These systems, listed in table 2, cannot be claimed as copies of US systems or as reactions to US initiatives because there are no US counterparts. The array of systems provides a compelling case against the Soviet claim of being caught up in the strategic weapons spiral by US challenges.

The SS-X-25 missile currently in testing will probably be initially deployed in 1985 in silos, in 1986 in a mobile mode

It is the latest in a series of Soviet land-mobile ICBM programs, dating back to the early 1960s. In contrast, the smaller US Midgetman, a recent proposal, is being developed for possible deployment in the early 1990s. The Soviets are already making claims about the need to respond to it.

The Soviets have been trying to stop the deployment of the US MX, D-5, and cruise missiles, and now Pershing II, in part by threatening to deploy counterpart systems. The Soviets have proposed that in exchange for halting US weapons deployments they would not deploy similar systems which have already been revealed to the public. This approach is appealing to those who believe it would halt the strategic weapons spiral, and reinforces their notion that the United States must be at fault. It is evident, however, that even if the Soviets did not deploy systems about which the public has knowledge, in trade for stopping their US counterparts, they would still have a large number of other missile improvements under way. It is also evident that they will only go public with information about their "counterpart" systems claimed to be developed in "reaction" to US programs, and not about the rest of their strategic weapons programs.

Their SLBM development effort provides a case study of how the Soviets attempt to use the secrecy of their programs to their advantage in the arms control arena. They have four programs under way: a solid-propellant, MIRVed SS-NX-20 follow-on system for the Typhoon SSBN, to be deployed in 1988; a second SS-NX-20 follow-on

and two liquid-propellant SLBMs to be deployed in 1985 and 1989 on Delta-class SSBNs. The Soviets would be willing to forgo the SS-NX-20 follow-ons for nondevelopment of the US D-5, while retaining their programs for new liquid-propellant SLBMs. Until recently, such considerations were implicit in their START proposals on future SLBM modernization. The first of the liquid-propellant systems will have range and throw-weight characteristics similar to, or greater than, the US C-4; the second may be similar in size to the D-5. These two systems would offer the Soviets significant advantages over the United States if the D-5 is not deployed; at least 17 Soviet SSBNs could be equipped to carry them. They cannot tout these systems as a "response" to US programs, since a public dialog about the extent of their efforts would hurt their effort to stop or limit D-5 deployments. In June, the Soviets backed off their position in START, which would have disallowed the D-5 and the improved SS-NX-20. This change, showing greater "flexibility" regarding deployment of the

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Top Secret		25 X 1
		25 / I
D. F. many also have been been did as different different		
D-5, may also have been intended to deflect addition-	systems. This commitment to both quantity and quali-	
al criticism of the Soviet approach to arms control.	ty may be stressing Soviet defense industry as today's	
Later that same month, they conducted	high-technology systems reach the production stage.	25X1
flight test of the first of their new liquid-propellant	Therefore, more capable future Soviet weapons will	1
SLBMs. The sudden Soviet "flexibility" on	probably be produced in smaller quantities than has	25 X 1
the SLBM modernization issue would therefore seem	been the case, and quality control problems may lead	
to be related	to delays and to maintenance woes.	25X1
		25 X 1
		1 -
	Implications	
Quantity vs. Quality: Problems Ahead?	**** F	
e	• The Soviets have far more weapons programs under	
Unfortunately, comrades, as you all know it is the	way than we do and are committed to military-	
introduction of the achievements of science and	technical superiority over the West in their weapons	
technology into practice that is a snag for us.	planning and procurement policy.	25X1
W ' A 1 T 1000	770	
—Yuri Andropov, June 1983	• They apparently feel that every US strategic weap-	
	ons system must have a Soviet counterpart. Even so,	
While more appropriate for Soviet civilian industry,	most will be justified primarily on grounds of	
Andropov's statement at the June 1983 party plenum	military requirements. Some weapons systems, inde-	
also has relevance for defense programs. The Soviet	pendently being developed in support of normal	
military R&D organizations have probably become	Soviet military requirements, will be claimed as	
more capable in developing high-technology weapons	reactions. Still others may in fact be reactions to US	
systems than industry has become in producing them.	programs. Historical precedent and programs now	
If the Soviets plan to produce Western-style high-	under way strongly suggest that actual mirror-	
technology weapons systems in Soviet-style quantities,	image programs will be part of the motivations for	
they could have serious problems.	Soviet weapons developments.	25 ['] X1
		25X1
Soviet industries lack the	• Any proposal by the Soviets to give up an analogous	25 X 1
capability to produce highly sophisticated weapons	program to halt a US deployment will probably	
systems.	mean they have under wraps another system that	25X1
The Soviets are apparently focus-	can perform a similar mission.	25X1
ing their foreign technology acquisition efforts on	can perform a similar mission.	23/1
production technologies. Also, many of the more	• The apparent requirement for responses to US	1.
recent Soviet programs, including the Typhoon sub-	programs may mean that the Soviets could be	,
marine, the SS-N-18 SLBM, the SA-10 surface-to-		
air missile system, and the Backfire C bomber, have	susceptible to deceptive efforts that indicate that we	1
	are succeeding in developing advanced technological) 05V4
encountered production-related problems.	concepts or weapons systems, and could be vulnera-	25 X 1
	ble to US cost-imposing strategies	25 <mark>X</mark> 1
The traditional magnificance to be selected to	Dealess and after the last	. (
The traditional requirement to have quantities of	Deployment of high-technology weapons to match	.
forces equivalent to the combination of all potential	those of the United States will probably contribute	'
adversaries—which they have been able to fulfill in	to smaller production runs than has been the tradi-	
the past—has led the Soviets to make large-scale	tional Soviet preference, and may also lead to more	'
producibility a key restraining factor on the level of	widespread production and maintenance problems.	
technology incorporated in their systems. Now, how-		25X1
ever, they seem committed to deploy systems at the		
same time and with the same quality as Western		
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		25X1
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